

NOVEMBER 1924



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THE
PULLMAN
COMPANY
CHICAGO

AUTOMOBILE
BODY DIVISION

Case 2114 - PETER PARKE et al -

METAL AUTOMOBILE BODY, - Filed

January 14, 1924 - Serial 685,955

Division 10 - Room 235

118

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DIVISION X

Foreword

THE Pullman Company, in its career of over half a century, has been a pioneer in the construction of railroad passenger cars.

The developments for which it has stood sponsor have been marked factors in rendering rail travel safe and comfortable. It blazed the way in the evolution from the wood to the modern steel type of car.

This fifty years' experience in constructing rail vehicles, plus that which in recent years has come from the building of automobile bodies, has convinced Pullman engineers and experts that the reasons which prompted the steel frame construction in railroad cars apply with equal force to automobile bodies.

Actuated by this conviction, The Pullman Company has developed and takes pleasure in presenting to the Automobile Trade, a type of body with steel frame which, under the most severe road test, has shown excellent performance.

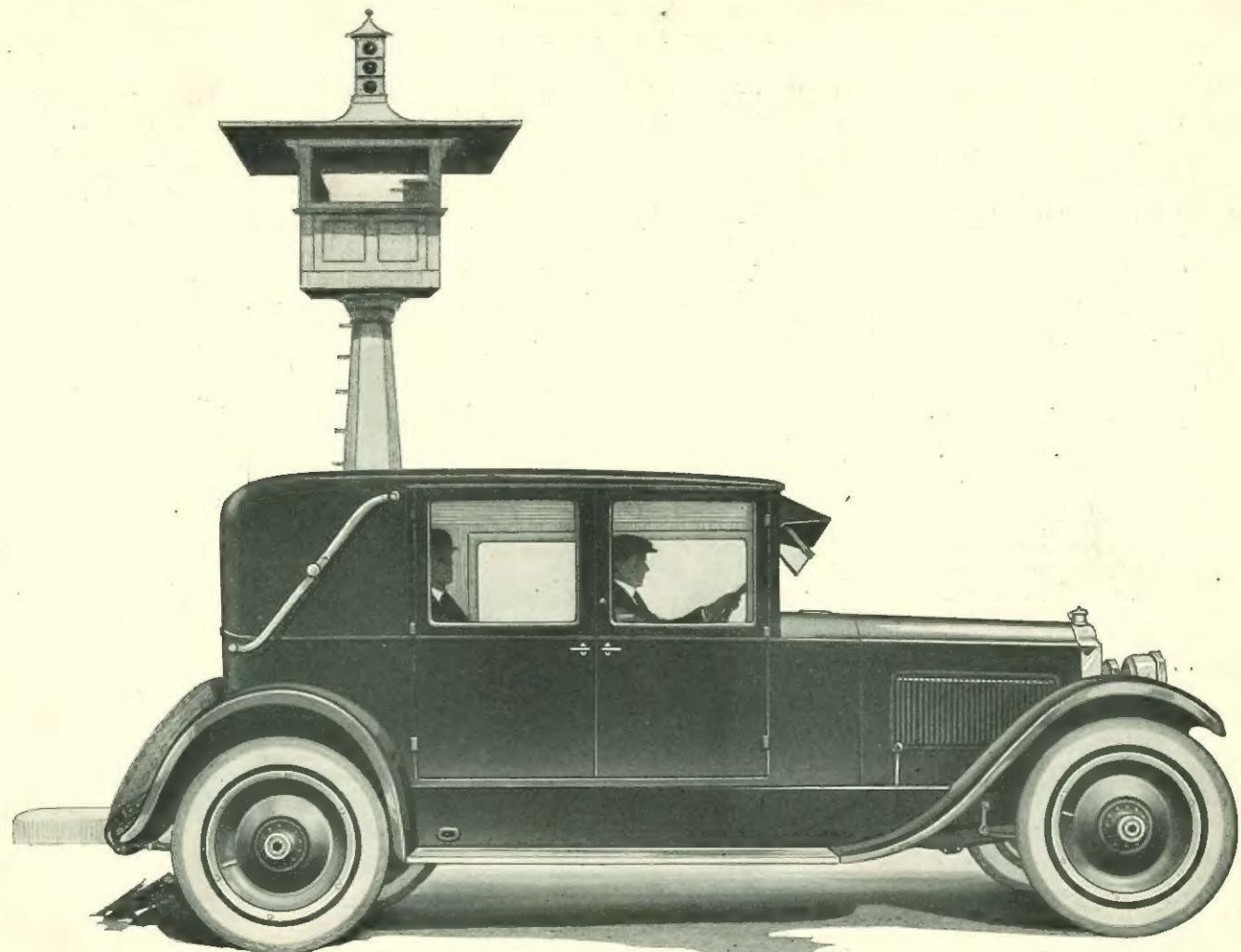
Pullman steel frame automobile bodies have these advantages:

- (1) Freedom from warping, weaving, squeaking, and loosening of joints.
- (2) Rigidity, not possible where wood body framing is held together by screws and glued joints.
- (3) Strength and security without increase in weight.
- (4) Greater protection from growing traffic dangers on crowded highways due to high speed and increasing number of heavy trucks.
- (5) Economy in production.

The manufacture of this body, for which patent application has been filed, is in sectional assembly units similar to the makeup of a Pullman sleeping car. Its novel and distinctive construction, and its graceful appearance, are fully described and illustrated in this booklet.

LIIGHT in weight and of great strength, the Pullman steel frame body marks a decided advance in the art of body construction. With its "custom body" and racy lines, it presents an unusually distinctive appearance.

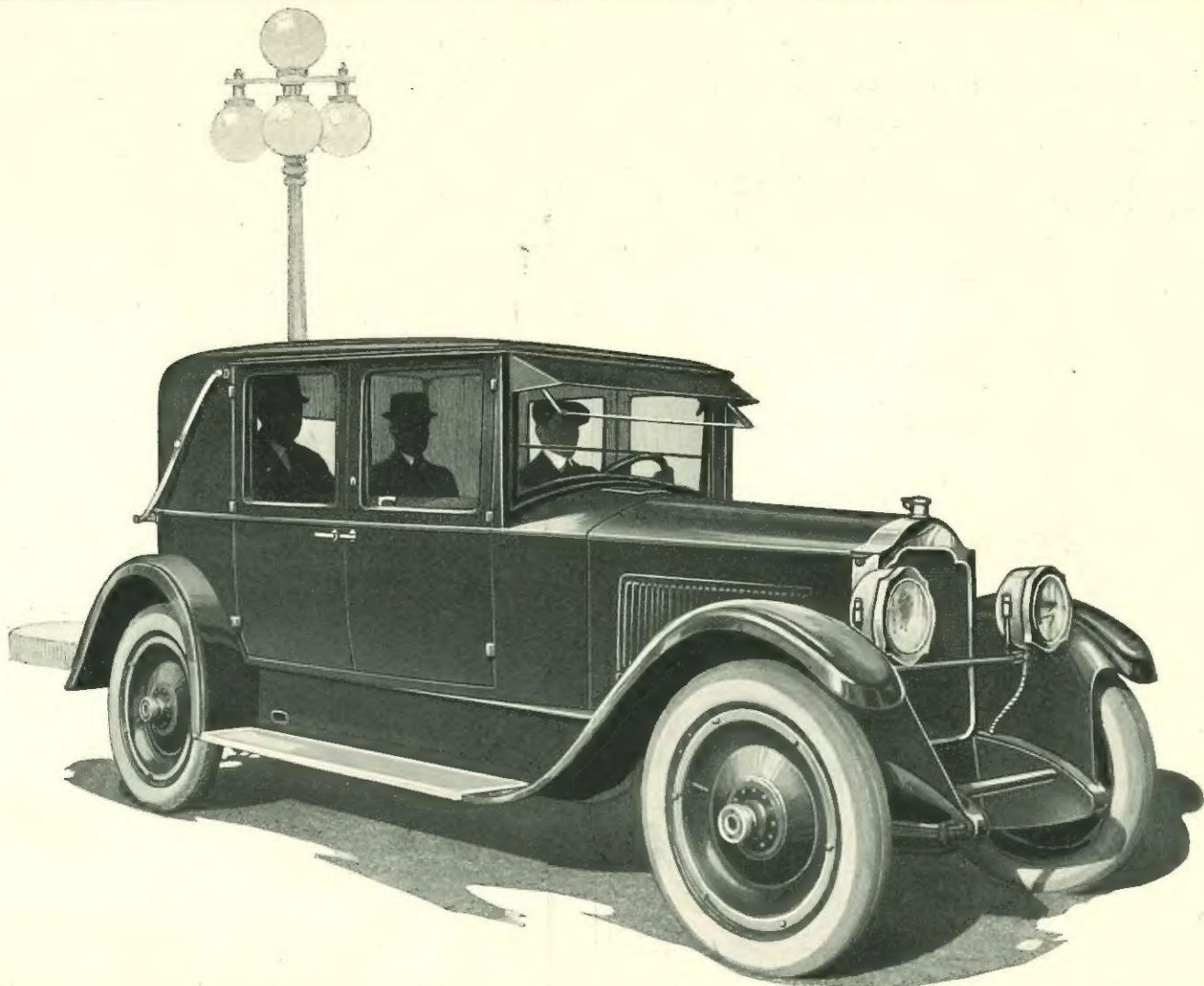




Steel Frame Sedan
(PATENT APPLIED FOR)

THE Pullman steel frame body is made in large sectional units, as shown by the accompanying illustrations. The units are rigidly joined by bolts with lock washers. Fabric saturated with paint is placed in joints.

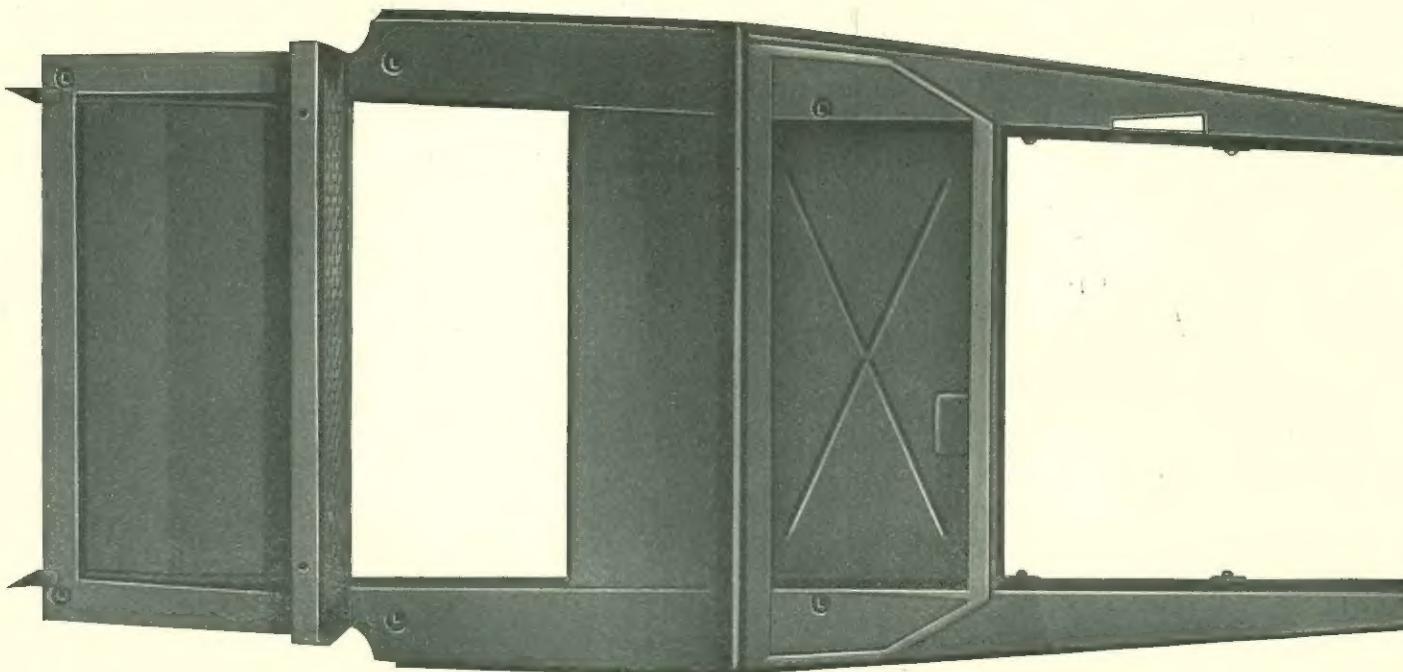




Steel Frame Body
(PATENT APPLIED FOR)

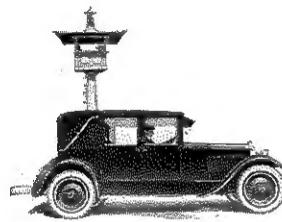
STEEL parts of which framing units are composed, are blanked and pressed in dies to insure absolute uniformity, assembled in jigs and thoroughly welded together into integral units. The "Z" shaped outer edges of bottom frame, form supports for side frames.

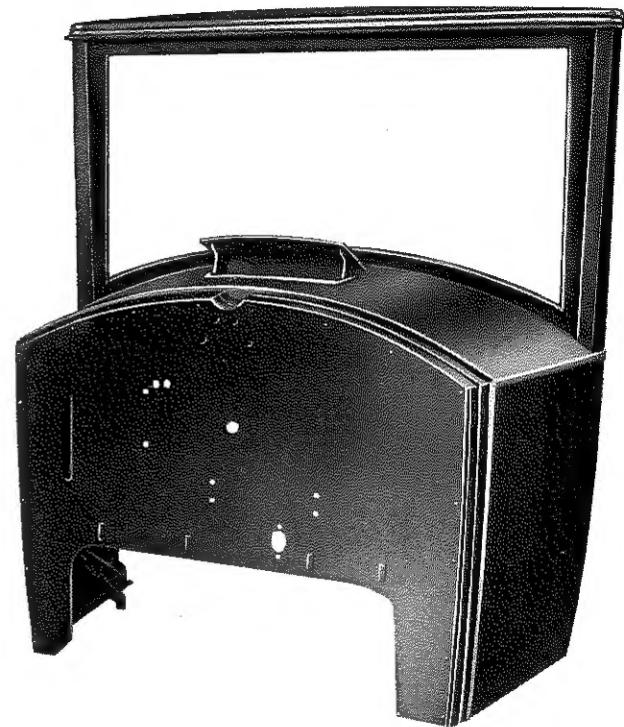




Steel Frame Bottom Unit
(PATENT APPLIED FOR)

COWL and Windshield framings are welded together into one unit, which, in assembling, is slid over the front end of bottom frame and is supported thereon. Corner posts are constructed to receive telescopically front posts of side frames. The box shaped top plate construction is provided with a ridge to receive the overlapping roof.

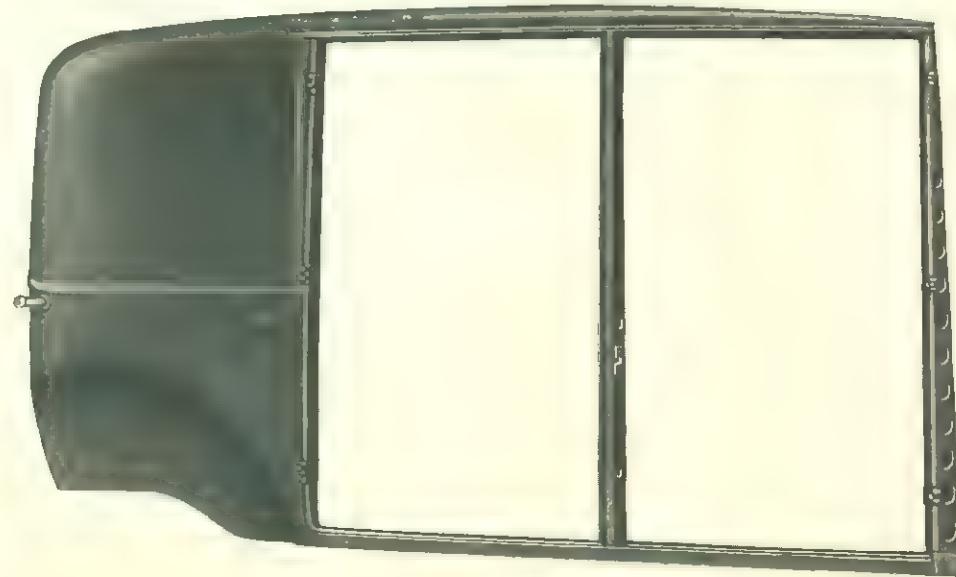
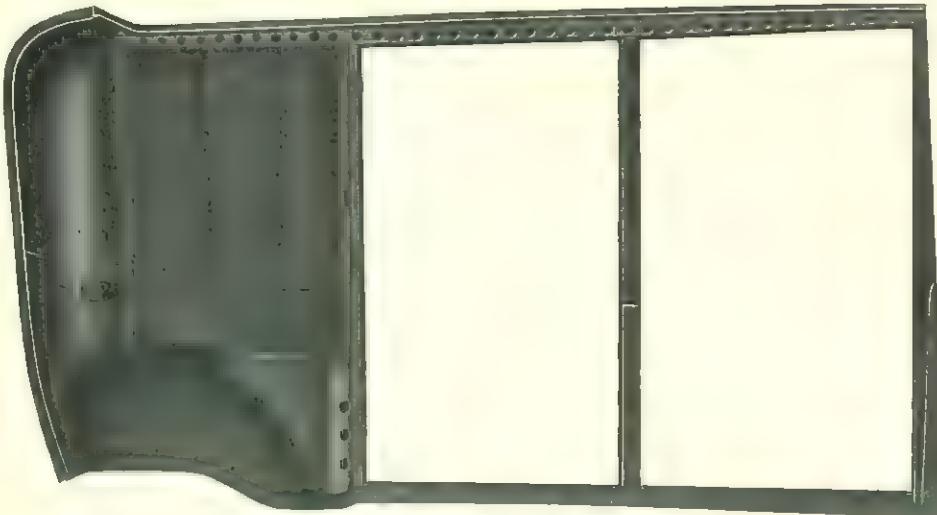




Steel Frame Front Unit
(PATENT APPLIED FOR)

WITH box shaped top plate and the "U" shaped sill or shoe construction into which posts are fitted and held by "U" brace plates, the sides present a strong and rigid structure thoroughly welded together. The front post is made to fit into corner post of front section. Door openings with hinge lugs are jugged for doors. Top plate is provided with a ridge to receive the overlapping roof.



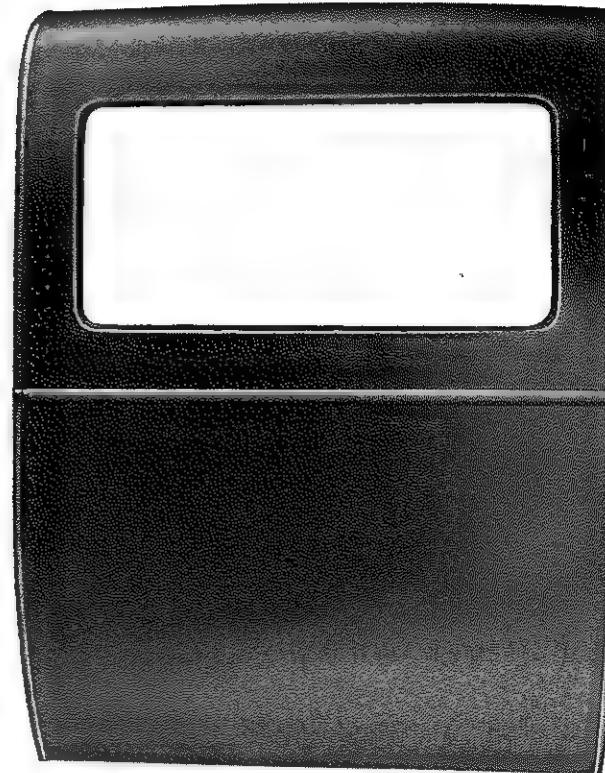
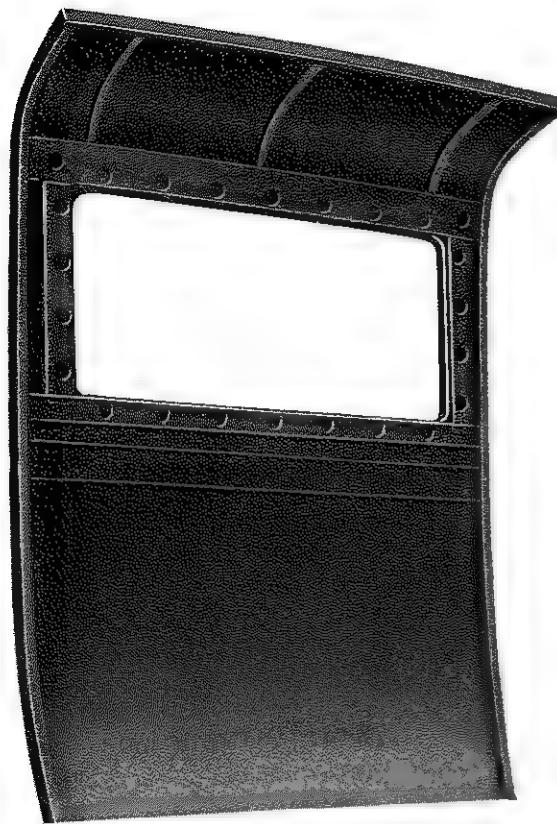


Steel Frame Side Units

(PATENT APPLIED FOR)

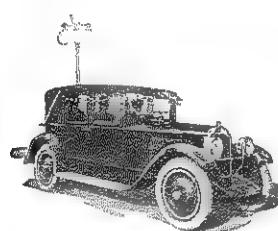
REAR unit connects the two side framing units by means of a special flanged and bolted joint concealed on outside by a moulding which is clamped tightly before bolts are fitted. At the top is a ridge to receive the overlapping roof, at the bottom, a flange for fastening to the bottom frame.





Steel Frame Rear Unit
(PATENT APPLIED FOR)

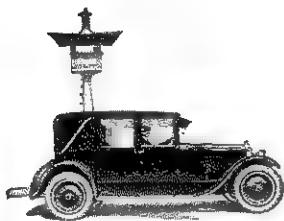
ROOF framing consists of a "Z" shaped continuous member to which ends of roof bows are securely welded. The outer flange of frame and roof covering overlaps a ridge formed on body framing, insuring absolutely tight joints. When roof covering is steel, it is welded directly to roof bows; if of aluminum, secured by brazed clips. Fabric covering can be applied if desired, secured at edges.





Steel Frame Roof
(PATENT APPLIED FOR)

SIDE doors of all steel frame insure perfect and uniform fit as all parts are assembled and welded together in jigs. Hinges secured to metal will not become loose in service.





Steel Doors

(PATENT APPLIED FOR)

THE Pullman Company Automobile Body

Plants are equipped for the fabrication of any type of automobile bodies complete, including pressing, painting and trimming. Engineering and experimental departments afford facilities for development work. The floor space occupied is 500,000 square feet.





One Unit of Automobile Body Plant, Pullman

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